

Wildlife Program

Week of June 2-8, 2014

REGION 1

GOAL 1: CONSERVE AND PROTECT NATIVE FISH AND WILDLIFE

Wildlife Management

Golden Eagle Surveys (District 1): Wildlife Biologist Annemarie Prince visited two golden eagle nest territories in District One. One territory had one juvenile eagle and the other had two. According to physical characteristics of the juveniles, the estimated ages are 4-5 weeks for both territories.



Golden eagle nestlings at the Lake Ellen territory on 4 June, 2014.

Golden Eagle Surveys (District 2): District Biologist Atamian conducted a productivity survey on the Cherry Cove territory. There were no chicks present in the nest or on the cliffs around. One adult was observed flying in the area. Biologists Atamian and Lewis checked the Blumenshine and Rattlesnake Territories and both had chicks present. Blumenshine chicks were 6.5 weeks old and the Rattlesnake chicks were 7.5-8weeks (picture below). Biologist Atamian conducted nest check of the Fergie-Welch Creek Territory, one chick was seen in the nest 3.5 to 4 weeks old (picture below), will resurvey last week of June first of July.



Rattlesnake Territory Nest with one chick perched near tree trunk and the other crouched down on opposite side of nest.

Fergie-Welch Creek Territory – Chick (circled red) watching from nest as adult flies away.



District 3 Wolf Activity: The Oregon collared wolf (OR-15) has stayed in Washington through the week, exploring mostly the central portion of the Blue Mountains. One report from the public indicates that two wolves may be running together in the same vicinity that OR-15's collar has been reported. Conflict Specialist Rasley continues to coordinate wolf information with cattlemen south of Dayton as OR-15 continues to move back and forth from Oregon.

Private Lands/Access

Fladry Set at a Sheep Farm near Ewan, Washington: Conflict Specialist Bennett placed fladry around a pasture of sheep near Ewan, Washington. The landowner assisted in the installation of the fladry.

Habitat Management: Biologist Lewis and Technician Clements spent time working at a "Register to Hunt" site in Whitman County that has a native habitat restoration project underway. The area is still in the establishment stage and doing well, but some areas needed to be mowed due to cheat grass.



Restored native habitat at a Register to Hunt (RTH) site in Whitman County

GOAL 3: PROMOTE A HEALTHY ECONOMY, PROTECT COMMUNITY CHARACTER, MAINTAIN AN OVERALL HIGH QUALITY OF LIFE, AND DELIVER HIGH-QUALITY CUSTOMER SERVICE

Wildlife Areas

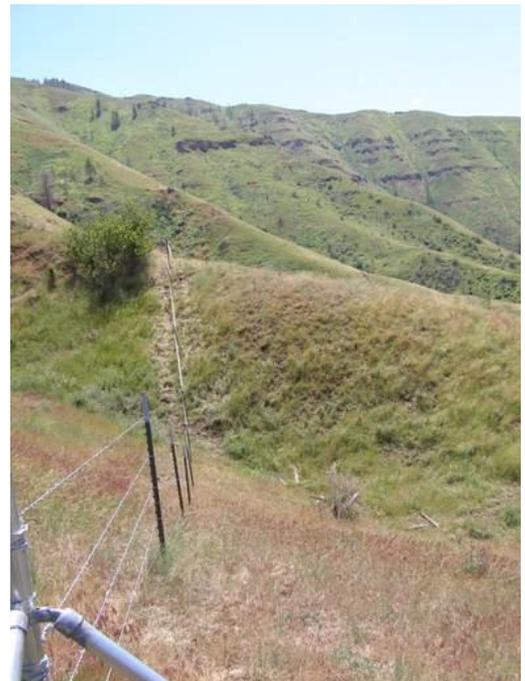
Student research at Swanson Lakes Wildlife Area (SLWA): Reardan High School science teacher Rick Perleberg visited SLWA on Thursday with about fifty students, to monitor an area field that had been seeded to sagebrush last fall, using a handful of different methods. Finch and



Bauer had flagged the plot boundaries on Monday, so the students were able to get right down to collecting data. They will be repeating their monitoring over the next year, and analyze results at completion.

Reardan High School science students at SLWA for sagebrush monitoring, 6/5/14.

Chief Joseph Wildlife Area – Fence Reconstruction: Biologist Woodall looked at the fence reconstruction in Green Gulch on the Chief Joseph Wildlife Area. The contractor was up on the hill on the steepest section of the fence stringing wire. Bio Woodall estimates somewhere near a third of the fence construction is complete. It is a very quality job on the contractor's part; the corner posts are solid, the t-posts are secure in the ground, and the wire is very, very tight. The fence should serve the wildlife area well.



Private Lands/Access

Black Bear Complaints: Specialist Shepherd helped handle black bear issues in Northeast Washington near the town of Cedonia in southwestern Stevens County.

Ducks in the Road: Conflict Specialist Rasley was flagged down by two motorists who were concerned for the safety of a mother duck and her brood of newly hatched ducks in Walla Walla. Rasley was able to haze all the ducks down the middle of the street for over three city blocks and finally back into Mill Creek where they are now enjoying their new home.



Female Mallard with 6 ducklings

Moving on up to the Westside



Home Sweet Home

REGION 2

Okanogan Wolves: Specialist Heilhecker met with a rancher, range rider, and WSU student to discuss and sign the sensitive data sharing agreement. The WSU student exchanged project information with the rancher. Specialist Heilhecker drove parts of the Lookout pack territory looking for wolf sign and learning the area. Specialist Heilhecker met with the RP from last week's injured dog call in Pateros. He has had no further incidences. The trail camera captured photos of his dogs and marmots. There were no photos indicating what kind of animal attacked his dog. Specialist Heilhecker requested the RP call immediately if the problem starts again.

GOAL 1: CONSERVE AND PROTECT NATIVE FISH AND WILDLIFE

Wildlife Management

Pygmy Rabbit Capture and Release: This week Biologist Wisniewski, Technician Duvuvuei, PhD student Demay, and Interns Jones, Jacobs, and Baker continued the third round of trapping with captures at one of the enclosures at Sagebrush Flats (SBF) and a second capture at Dormaier. An extra capture was added at Dormaier due to the large number of kits observed still running around after last week's capture. On Wednesday at SBF, we captured 28 rabbits (24 new kits, 1 recap kit, and 3 adults). Twenty-three kits were released to the wild, 1 kit was retained in the nursery to reach weight, AVID tags were placed in the adult rabbits, and the adults and recap kit were released back into the breeding enclosure. On Thursday we returned to Dormaier and captured twenty-nine additional rabbits (27 new kits, 1 recap kit, and 2 adults). Twenty-six kits and 1 adult male were released to the wild, one kit was retained in a nursery, one adult rabbit and the recap kit were released back into the breeding enclosure. An AVID tag was inserted in the adult retained in the breeding enclosure. This week we were assisted by volunteers Kelsi Potterf and Miranda Crowell.



Interns Jones and Baker take ear biopsies while PhD student DeMay and Technician Duvuvuei hold kits.

Wildlife Areas

Desert Lake Point Counts: Biologists Finger and Duvuvuei conducted point counts at the Harris Ponds Project (TD-2). The point counts are part of an agreement between WDFW and the BPA to monitor wildlife response to these BPA funded wetlands. These ponds were excavated during 2006 and have since been managed to maintain open water and provide brood rearing habitat. Periodic surveys take place to track changes in bird use to evaluate the overall effectiveness of the project. During the point counts, Finger and Duvuvuei counted many of the species expected to be present in functioning wetlands including: yellow-headed blackbirds, black-winged blackbirds, marsh wrens, bank swallows, song sparrows, black-necked stilt, killdeer, black terns, Caspian terns, Forester's terns, bittern, common yellowthroat, pied-billed



grebe, etc. Unfortunately, relatively few waterfowl were observed (mallard, gadwall, redhead, and cinnamon teal) during the effort, none of which had broods.

One of the excavated ponds at the Harris Lake Project. Photo by R. Finger

North Central Washington Prescribed Burn Team: Monday, the prescribed fire team began burning the Spike 4 on the Sinlahekin Wildlife Area. Thunderstorms brought 0.9” of rain Tuesday morning bringing operations to a halt, but due to the arrival of warm dry air we were able to resume burning Wednesday. Thursday, the last block in the unit was completed bringing the total acreage burned in this spring season to 1,017 acres on 14 units over 31 days with fire on the ground. Friday, the team mopped-up the hot spots in the Spike 4 with the help of one contracted squad. The team also removed several thousand feet of hose from the Spike 4 that will be transported to Sherman Creek Wildlife Area so we can continue burning there next week. The contract squad remained Saturday to continue the mopping-up the unit, and they also patrolled other units burned on the Sinlahekin this spring to ensure they remain secure.



Burn Team Member Joe Anderson igniting in the Spike 4 Burn Unit, Sinlahekin Wildlife Area – Ray Guse

Wildlife Area Section Manager Paul Dahmer (left) and Lands Division Manager Clay Sprague (right) touring the Spike 4 Burn Unit, Sinlahekin Wildlife Area. The burning tree will likely die becoming a snag that will provide valuable diversity in wildlife habitat – Ray Guse



GOAL 4: BUILD AN EFFECTIVE AND EFFICIENT ORGANIZATION BY SUPPORTING OUR WORKFORCE, IMPROVING BUSINESS PROCESSES, AND INVESTING IN TECHNOLOGY

Wildlife Areas

Sinlahekin Wildlife Area 75th Anniversary: Operations Manager Swedberg believes the 75th Anniversary was a successful event. My deep gratitude to PIO Luers for amazing planning and organizational skills as well as directing the event; Manager Haug for oversight in preparing the Sinlahekin and event site; Assistant Manager Wehmeyer and Technician Boulger for getting the majority of on-the-ground work completed; Regional Manager Brown, RPM Monda, Lands Division Manager Sprague, Assistant Director Pamplin and Public Affairs Director Botka for their continued support. Thank you to the Region 2 Fish Program and Enforcement Program for their support as well.

Private Lands/Access

Habitat plots: Biologist Dougherty assisted other WDFW staff with removing noxious weeds at a wildlife habitat plot. The annual weeds compete with desirable and beneficial shrubs and can reduce the survival of those shrubs, and given the proximity of the weeds to the shrubs herbicides are not practical. So utilizing team work and a “can-do” attitude WDFW staff pulled together and greatly reduced the weed presence on site and improved the likelihood that the shrubs will thrive. Biologist Dougherty has continued to work and coordinate with the Fife, WA

Pheasants Forever chapter to establish and maintain food plots and shrub plots that provide vital cover and forage for wild pheasants. Biologist Comstock checked the progress of five shrub/grass habitat plots in Grant County. She also sprayed broadleaf weeds on two circle corner plots and hand pulled weeds from a private land shrub plot and at the Gloyd Seeps.



Shrub Plot before Hand Weeding



Shrub Plot After Hand Weeding

REGION 3

GOAL 1: CONSERVE AND PROTECT NATIVE FISH AND WILDLIFE

Wildlife Areas

Colockum Wildlife Area: Elk calving is fully underway on the Colockum, as evidenced by these photos taken by Forester Doug Kuehn on the Colockum this week.



Wildlife Management

Ferruginous Hawks: Biologist Gregory and Volunteer Baird visited the only known active ferruginous hawk nest in Benton County in the Horse Heaven Hills. They were able to observe the adult male on the nest with a brood of 4 hatchlings that were approximately 2 weeks old. The male appeared to be very vigilant about protecting the hatchlings by sitting in the nest and hovering over them. The female was spotted soaring overhead, presumably hunting. One reason this pair is expending the extra energy to guard the nest may have to do with the occupied ravens' nest located less than ¼ mile away.

Gregory and Baird also visited a site in Benton city with a report of a suspected ferruginous hawk nest. Unfortunately, the bird turned out to be a red-tailed hawk.

Burrowing Owls: Biologist Gregory and Volunteer Ross began developing a burrowing owl trapping protocol and equipment list. Biologist Gregory evaluated the burrowing owl call recordings and point count locations in preparation for burrowing owl surveys. Gregory also offered advice to the WDFW SWAP/HCP team regarding burrowing owl range mapping.

Mourning Doves: Biologists Gregory and Stutzman completed the 3rd and final repetition of the mourning dove distance sampling route. They observed doves at 5 of the 20 stations. All data will be submitted to the USFWS for analysis. In addition to owls the biologists also observed an adult great horned owl with one of its recently fledged owlets and a Lewis's woodpecker.

District 8 Burrowing Owls: Biologist Bernatowicz reviewed/commented on the Species of Greatest Conservation Need list and participated in a webex to review burrowing owl HUC's. This is part of the Wildlife Area HCP Wildlife Action Plan, and may influence management on Wildlife areas. The geographic areas being delineated for burrowing owls did not match the species well. North of I-90, there are no records of burrowing owls in district 8, probably due to shallow soils and steep terrain. Biologist Bernatowicz recommended adjusting using soils maps.

Golden Eagles: Biologist Bernatowicz checked priority 1 sites west of Naches that were occupied in March, but no active nests could be found. Surveys did not find any active nest or golden eagles. Biologist Bernatowicz also contacted the USFS and a local landowner about golden eagles in the area. No one has seen eagles since early spring.

Colockum Elk: Biologist Moore set up a fixed-wing flight to look for a missing GPS collared bull elk which was residing on the Yakima Training Center (YTC). The bull has been missing



for well over a month. Moore made the necessary arrangements to fly over YTC and searched the entire training center as well as the rest of the typical summer range. The VHF signal for this bull was not found. While searching the Table Mountain area Moore noticed the understory of the 2012 Table Mt. fire doesn't appear to be regenerating as quickly as hoped.

Over the Table Mt. Fire Area

Golden Eagles: Biologist Moore checked in on the Robinson Canyon golden eagle territory at the request of WDFW's Research Scientist Jim Watson. There is one eaglet on the nest. In the photo below, it is difficult to see, but note the presence of the fawn leg/hoof to the left of the eaglet and either a partial or whole egg to the right. It would have been nice to observe this animal in a more lively position but another nest check will likely occur in the next two weeks.



Robinson Canyon Golden Eagle Nest

GOAL 2: PROVIDE SUSTAINABLE FISHING, HUNTING AND OTHER WILDLIFE-RELATED RECREATIONAL AND COMMERCIAL EXPERIENCES

Wildlife Areas

Wenas Wildlife Area: Manager Confer Morris picked up the updated 2014 target shooting fire season restriction signs from WSDOT. Assistant Manager Taylor replaced the temporary paper signs with these aluminum signs and made sure all entrance points and main user-developed target shooting areas were signed. While replacing signs in the Buffalo road area Tuesday afternoon, he contacted several people target shooting outside the allowed hours. Enforcement was contacted and issued citations.

Access Manager Garcia and Natural Resource worker Barbosa assisted Lacey construction crew with improvements to Woodhouse Ponds. The improvements to the site consisted of a new entrance on the north side of the property, brushing, gravel, barrier rock, and two reader boards.



*New Entrance -
Before and After*



*Parking
Area -
Before
and After*





*Parking Area -
Before and After*



Pond Access

LT Murray Wildlife Area: Manager Winegeart and Assistant Manager Hunt met with USFS staff Janel Winborne and Jason Peterson to begin drafting a road use agreement on the new Gnat Flat properties that are checker boarded in USFS ownership. Nearly all the roads in the new parcels are USFS controlled.

Manager Winegeart and Assistant Manager Hunt met with a trails sub-committee of the Wildlife Area Advisory Committee to identify existing mountain bike trails on the LT Murray, and work toward an authorized non-motorized trail system. The group also scoped a site in Taneum Creek where the WAAC identified a potential project location for creating a non-motorized trailhead/horse access/ADA accessible trail/ birding trail.

Natural Resource Technician Hill replaced the stay bar in the public gate at the Joe Watt entrance to the L.T. Murray. It had become bent and unusable. He also put in a pipe collar in the ground so both sides of the public gate can now be open at the same time. This will improve the safety of the gate for trucks with large trailers.

Oak Creek Wildlife Area: Manager Huffman provided comments to GIS shop on edits for the Rock Creek Unit maps that are being developed for that unit of the wildlife area. The goal of the map is to show the public open and closed roads on the unit and which roads and areas require a Discover Pass.

GOAL 3: PROMOTE A HEALTHY ECONOMY, PROTECT COMMUNITY CHARACTER, MAINTAIN AN OVERALL HIGH QUALITY OF LIFE, AND DELIVER HIGH-QUALITY CUSTOMER SERVICE

Wildlife Areas

Wenas Wildlife Area: Manager Confer Morris spoke with Ron Moores, BOR, regarding their need to field review their power line that ties in at the Roza Dam. Originally he was thinking they would use ATV's but after some discussion it was decided they would walk the section within the wildlife area boundary, thereby avoiding the need for a permit from DFW. He also agreed to provide her with a GIS file of their power line after they complete their field review.

Sunnyside Wildlife Area: Natural Resource Technician 2 Medina prepped a shrub plot for the kids field trip to plant Woods' Rose and administered 45 4th graders from Chief Kamiakin Grade School to plant shrubs, check on nest box activity for tree swallows, and complete nature mapping activities around two wetland ponds.



Fourth Graders planting Woods' Rose on the Sunnyside/Snake River Wildlife Area



Kamiakin Grade School nature mapping on Sunnyside/Snake River Wildlife Area

LT Murray Wildlife Area: Assistant Manager Hunt visited the North Fork Manastash Ranch with Brent Renfrow and Jen Nelson (both from the Habitat Program). Owner Cindy Lingel had asked Hunt about installing a bridge over North Fork Manastash Creek on her property, and also interested in things that she could do to improve that reach of stream on her ownership. The meeting was quite productive, providing an opportunity for a couple of Habitat folks well versed in stream projects to explain some good options for Lingel, as well as what permitting and consultation would be needed.



North Fork Manastash Creek potential project site

Wildlife Management

Elk Conflicts: Wildlife Conflict Specialist Hand monitored elk distribution and movements in Elk Areas 3721 & 3722. Steady numbers of elk continue to cross Hanford's southern boundary to graze in winter wheat fields although hunting pressure and active hazing has reduced the amount of time spent on private lands. A few small groups (<5) of elk were observed near high value irrigated crops just north of Prosser. Multiple calf elk are being reported in both elk areas 3722 and 3721.

Wildlife Conflict Specialist Hand monitored harvest of DPP permits in Elk Area 3721. Another strong week of bull elk harvest was reported with 4 spikes, one 3x3 and one 4x5. Total harvest for the summer bull season is 18 bull elk.

Wildlife Conflict Specialist Hand coordinated with landowners and hunt managers on elk locations to pressure them away from valuable crops.

Wildlife Conflict Specialist Hand removed the acoustic deterrent at C & M Nursery in Richland. The owners of the nursery were very appreciative for the loan of the machine and are so impressed with its effectiveness that they are planning to purchase one of their own.

Benton County Upland Habitat Buffers: Biologist Stutzman attended the Benton County Wheat growers meeting in the Horse Heaven Hills. Stutzman provided an update on the CP33 Upland Habitat Buffers and SAFE programs in Benton County and promoted the programs as an alternative to general CRP. Unfortunately the meeting was before the new continuous signup was announced so the update was light on specifics but there was still some interest.

After the new signup was announced, Stutzman met with FSA and NRCS staff in both Benton and Franklin Counties to discuss the wildlife-targeted continuous CRP programs. All parties were on board with WDFW doing the majority of the outreach and planning for these programs.

Sage Grouse Easement: Conflict Specialist Hand and Private Lands Biologist Stutzman met with a landowner in the Rattlesnake Hills about Federal Easement Programs and the Sage Grouse Initiative.

Student talks: Biologist Stutzman was asked to talk to a group of 4th-5th graders in Mesa about being a biologist and what we do at WDFW. The kids were very knowledgeable about ecology and some of the issues that the Department deals with. Examples included a student accurately describing what led to the decline of Bald Eagles and another giving an unprompted summation of a Mark-Recapture study.

Kittitas County Elk Conflicts: Two landowners in the Badger Pocket area called to report elk starting to use hay fields in the 4th Parallel area. Specialist Wetzel met with the landowners and looked at damage and elk use. The landowners agreed to use non-lethal hazing until the August 1 permits could be used.

A landowner on Brick Mill road called about 5 bull elk damaging fruit trees. The landowner was advised to begin hazing the elk; he and an adjacent landowner successfully hazed the elk north of Brick Mill road and they have not been seen since.

Range Rider Coordination: Specialist Wetzel contacted the two sheep range riders for the Martinez operations this week in preparation for this summer's work. Start dates, coordination, and logistics were discussed. Chris Holcomb, the range rider from the Teanaway in 2013, will again be in that area and Kenny Inaba will be working for Martinez in the Naneum allotment.

GOAL 4: BUILD AN EFFECTIVE AND EFFICIENT ORGANIZATION BY SUPPORTING OUR WORKFORCE, IMPROVING BUSINESS PROCESSES, AND INVESTING IN TECHNOLOGY

Wildlife Areas

Colockum Wildlife Area: Manger Lopushinsky and Assistant Manager Hagan toured several RMAP work sites in the North Fork Tarpiscan with WDFW engineers and representatives from WA DNR, WA DOE and the Yakama Nation. Discussions focused on options for removal and creation of a ford crossing and road relocation in section 16 of the North Fork Tarpiscan. Road relocation at this site is complicated by a BPA road easement which may limit our options for dealing with the non-green dot road. We also looked at the proposed culvert removal and installation of a 50-60' bridge in section 14 where the North Fork Road crosses Tarpiscan Creek. We have water and drainage issues on the North Fork Road in section 14 as well, and DNR and tribal staff are advocating we relocate the stream-adjacent portion of that portion of road.

Oak Creek Wildlife Area: Manager Huffman worked with the Forest Service on modifying the contract for road work in Oak Creek after it was determined that we will charge agency indirect. There is the possibility that the Forest Service may provide additional funding to offset the indirect rate so we can still accomplish the same amount of work.

LT Murray Wildlife Area: On June 3rd a fire started on the Whiskey Dick Wildlife Area. The ignition point was the Schaake corrals, a WDFW parking lot located off the Vantage Highway. Manager Winegeart and Assistant Manager Hunt were first on the scene and knocked down fire on the corral posts. Numerous firefighting resources arrived soon after and quickly



contained the perimeter. The Corral Fire burned appx 158 acres, some of which contained a WDFW restoration site, although much of the ownership was BLM. The fire did jump the Vantage Highway near the Invenergy wind facility entrance, but was contained on that side at ~1 acre. Cause of the fire has not yet been determined.

Corral Fire – footprint from the air



Corral Fire - burned corral timbers



Corral Fire - burned restoration site

Sunnyside Wildlife Area Weed Control: Manager Bjornstrom requested assistance with weed control through Dave Heimer and his weed control crew. Dave's crew will be targeting the weeds within the perimeter of the spring fires. The crew will arrive on Monday to begin application of herbicide. Oak Creek Wildlife Area loaned an ATV and UTV to the project and an ATV from the Windmill Ranch will also be added to the fleet for this project.

Assistant Manager Buser met with Robin Kuske of the Franklin County Noxious Weed Control Board for a coordinated search of any yellow star thistle on Windmill Ranch and ordered herbicide for weed control efforts on the Sunnyside Headquarters Unit, specifically for the wildfires this past spring.

Power for Snipes Reserve: Assistant Manager Sak worked on getting power re-established to one of the pivots in the Snipes Reserve. Pacific Power & Light will not hook the power up until payment is made for the new contract. With help from Jason Harlow in accounts payable Assistant Manager Sak was able to get PP&L to set up the work prior to payment in order to get the pump up and running.

Fire Restoration: Assistant Manager Sak worked on developing a grass seed mix order to put out for bid for the fire restoration project and received more equipment ordered to replace losses incurred by the spring fires.

REGION 4

GOAL 1: CONSERVE AND PROTECT NATIVE FISH AND WILDLIFE

Wildlife Management

Common Loons – Monitoring: Biologist Anderson provided monitoring for status of breeding loons on the Snoqualmie Tree Farm and adjacent South Fork Tolt Watershed. A pair that previously nested on an inland lake in the area of the Tolt, but failed due to mammalian



predation earlier this season were likely the same pair observed on this outing just over the east hills in the Tolt watershed. The pair was trying quite unsuccessfully over and over to find a nesting site along the island out in the reservoir. Hopefully this pair moves back to the nearby inland lakes as the water levels are much more stable. While in the Tolt and surrounding Snoqualmie Tree Farm; Anderson noted a bear, 10+ deer (including one swimming across a bay in the Tolt), and a hen Ruffed Grouse with brood of young.

Ruffed grouse in the Tolt Watershed

Bald Eagle Management: Biologist Anderson worked with Kirkland planning staff and US Fish and Wildlife Service biologists to provide information and follow-up on tree cutting activity within 200 ft of a well-known eagle nest and surrounding territory. USFWS is now taking lead and working with Kirkland and the property owner to provide for meeting the federal Bald and Golden Eagle Protection Act of 1940. More information on management consideration needs of Bald Eagles, as well as assisting WDFW in documentation of eagle nests areas, can be found at our state website: http://wdfw.wa.gov/conservation/bald_eagle/

University of Washington Great Blue Heron Colony Adaptive Management Plan

Review: Biologist Anderson provided review and comment regarding UW's work on a heron colony management plan. Herons have nested in the Rainier Vista area of campus since 2008. Thus far it has reached up to 40+ nests in a season. In the past two seasons it has been reduced to a handful of nests. There has been concern over acute, novel disturbances such as concerts underneath the heronry, as well as the ubiquitous Bald Eagle found in most western Washington colonies. This plan will provide for management reference for UW planning and staff activities, working with Seattle to meet their permitting needs for certain projects that require a management plan, and to provide for public concerns.

Western Pond Turtle Habitat Survey: Biologists Milner and Anderson wove their way through endless new developments in the Mill Creek area to assess potential habitat for western pond turtles. This was in response to the individual turtle that was found wandering in the vicinity. As expected, most of the numerous historical wetlands have been converted into low quality retention ponds to accommodate the housing tracts. Since this area was never part of the historic range of the turtle, we are satisfied that the animal that was picked up was released accidentally or on purpose by someone who had been holding it.

Lowland Pika Surveys: Biologist Cyra resurveyed site with only audio detections. Numerous additional audio detections were obtained but no visual confirmation was obtained.

King County Ungulate Damage: Biologist Smith met with a landowner in the Green Valley to discuss elk frequenting a field being planted with pumpkins. Three elk (2 cows; 1 spike) were present at the time of the visit and were hazed away from the area by Smith. Non-lethal hazing activities and potential fencing options were discussed.



Elk foraging at mid-day on the edge of a field prior to planting of pumpkin crop.

WDFW-Point Elliott Tribes Wildlife Co-management Technical Committee: Biologist Danilson and DeBruyn and Manager Link attended a meeting with tribal technical staff to discuss a range of issues primarily related to management of the North Cascades elk herd. Danilson coordinated with WDFW staff and prepared documentation related to a property acquisition proposal in the Skagit River Valley.

Double-crested Cormorant Survey: Biologist DeBruyn got a boat ready for an upcoming survey of a cormorant colony in Drayton Harbor. The survey is to establish baseline data on cormorant colonies to ascertain effects of management activities in the Columbia River. DeBruyn also drove by the site to figure out logistics and get an initial count of adults.

Wildlife Areas

Lake Terrell Ag Activity: Natural Resource Tech Deyo finished the prep work on the agricultural fields at Lake Terrell. Wilbur Ellis workers spread the barley seed and fertilizer on 62 acres, and Deyo then disked the seed into the ground.



Disked field at Lake Terrell

Wetland Enhancement: Manager Kessler mowed 25 acres of reed canary grass on the Phase 2 section of the wetland enhancement project area as part of the Port of Bellingham Wetland Enhancement Project mitigation: Workers with the Port of Bellingham worked to hand pull and remove reed canary grass in the Phase 1 section.



Mowed portion of Wetland Enhancement Project

Beaver Damage Control: Natural Resource Tech Deyo performed beaver damage control on the Lake Terrell unit. A total of 9 beavers were trapped in accordance with the current animal damage control permit.



Leque Island Alternatives Analysis and Design Project: Projects Coordinator Brokaw gave a project overview presentation to the Island County Water Resources Advisory Committee and Island County Marine Resources Committee. These two groups provide counsel to Island County Commissioners on natural resource issues that involve marine and fresh water resources. Although Leque Island is in Snohomish County, these Island County groups have an interest in Leque Island, as it is immediately adjacent to resources in Island County.

Crescent Lake Unit: Snoqualmie Wildlife Area Manager Brian Boehm coordinated final corn planting efforts with Werkhoven Dairy. Barley fields will be prepared and planted towards the end of June. Additionally, with the tractor and mower back from the repair shop, Manager Boehm utilized a volunteer operator to conduct over 16 hours of mowing at the Unit. Access roads, parking lots and entrance ways were cleared of weeds and tree debris.

Ebey Island Unit: Snoqualmie Wildlife Area Manager Brian Boehm coordinated fence repairs and cattle rotation plans for the rest of June. The pump house field has been fenced and new gates will be installed next week. This will help keep cattle contained in this location.

Snoqualmie Wildlife Area Planting: Snoqualmie Wildlife Area Manager Brian Boehm met with Frohning Dairy to initiate field preparation for planting next week. Approximately 55 acres have been plowed this week. Planting is scheduled for next week should the weather hold. A mix of barley, corn, and grass is planned to be planted on the Unit this spring. This marks the first time since 2010 that the Stillwater fields are under crop production.



Cherry Valley Unit: Snoqualmie Wildlife Area Manager Brian Boehm met with staff from Sound Salmon Solutions (SSS) to discuss continued planting and weed control efforts at the Waterwheel Creek restoration project. SSS received new funding to continue the effort over the next three years.

GOAL 2: PROVIDE SUSTAINABLE FISHING, HUNTING AND OTHER WILDLIFE-RELATED RECREATIONAL AND COMMERCIAL EXPERIENCES

Wildlife Management

Ebey Island Acquisition: Biologists Milner, Brokaw and Bails presented the draft PowerPoint presentation for the Ebey Island parcels proposed for acquisition to the practice RCO panel in Olympia. Numerous pieces of invaluable advice were provided and we will be modifying the presentation accordingly.

Waterfowl Quality Hunt Program: Biologist Caldwell coordinated efforts to utilize Migratory Bird Enhancement funding in Skagit County. Habitat suitability surveys were conducted on these



lands to delineate habitat variables for quality waterfowl hunting. As of 4/6/2014, Biologist Caldwell has added nine new hunting sites in Skagit County, two in Snohomish and is working on providing additional sites in Whatcom County.

This site offers hunters the opportunity to sport over water from a secluded blind. This site is also going to be enhanced by planting barley (5-6 acres) in a small field located behind the blind (see two pictures below). This blind offers hunters great visibility and room to accurately sport for waterfowl.

Partial view of the creek from inside the blind



Biologist Caldwell and the private landowners will be placing this site as a hunting site and a wildlife viewing and Americans with Disabilities Act (ADA) accessible site. Procedures are in place to meet the

requirements of ADA. In time, this site will provide migratory bird habitat and recreational opportunities to the general public throughout the year.

Mt Baker High Buck Hunt Signage: Biologist DeBruyn created a first draft of a sign to be placed at trailheads in the Mount Baker Wilderness alerting recreational users to the fact they may encounter hunters in the area. It is a cooperative effort with the USFS and the National Park Service. This is the first year the High Buck Hunt will be open in the area which has high use by the non-hunting public.

Sign to be placed at trailheads in the Mount Baker Wilderness alerting recreational users to the fact they may encounter hunters in the area.

Notice to Recreational Users of the Mt. Baker Wilderness Area

This area is open to hunting

General Deer Season (Incl. Archery) starts **September 1** and closes **October 31**

The High Buck Hunt begins **September 15** and closes **September 31**

You may encounter Hunters In this area



Wildlife Areas

Tennant Lake Boardwalk Tour: Manager Kessler coordinated with the Friends of Tennant Lake & Hovander Park non-profit group on an upcoming school group tour at Tennant Lake. Next week up to 75 kids will visit and tour the Tennant Lake Boardwalk on a field trip. Manager Kessler and Natural Resource Tech Deyo will work to make sure the lake water level is low, and the boardwalk is high and dry.

Samish Unit Wetland Enhancement Project: Projects Coordinator Brokaw, Skagit Wildlife Area Manager Rotton, and Ducks Unlimited hosted a public Open House for the project on the evening of June 3rd. The meeting was attended by Dike and Drainage District commissioners, representatives of the agricultural community, the owner of an adjacent farm, and Skagit Audubon members. WDFW and DU gave presentations on the project goals and design, and attendees provided comments, asked questions, and signed up for a project update list to stay current on the project timeline. The project was well received and several attendees expressed support for the project. For more information, please contact Loren Brokaw at Loren.Brokaw@dfw.wa.gov.

Ebey Island Acquisition RCO Grant: Biologist Milner and Projects Coordinator Brokaw accompanied Habitat Biologist Jamie Bails to a grant application presentation to acquire a property on Ebey Island. If successful, the project will protect wildlife habitat on Ebey Island and improve public access to existing WDFW-owned lands.

Skagit Acquisition Team: The Team met to discuss updates and progress on a proposal to provide additional waterfowl hunting and forage land in the Skagit Delta. Projects Coordinator Brokaw is continuing to update the proposal document to incorporate information generated by the Team.

Skagit Wildlife Area Agricultural Enhancement Program - Island Unit: Staff coordinated with volunteers for field preparations and plantings, organize and schedule ferry operations, repair and maintain jet sled and other equipment necessary for farming and ferry operation.

Skagit Wildlife Area Agricultural Enhancement Program - Samish Unit: Contract planting of barley was completed this week. The sharecrop farmer withdrew their proposal for the planting agreement. Manager Rotton has been contacted by another local grower to negotiate a potential new lease agreement.

Skagit Wildlife Area Agricultural Enhancement Program - Leque Island Unit: The sharecrop farmer has begun field work on the site and should have the planting area prepared in the next week or two.

Skagit Wildlife Area Agricultural Enhancement Program Cleanup: The cleanup project went very well last week. The crews were able to remove a majority of the debris washed up onto Leque Island and the Davis Slough area. We also made it out to the site off of Maupin road on Wednesday and cleaned those tidelands as well. The weight of marine debris removed for the week totaled 3,020 lbs.



Crew removing Styrofoam blocks from a derelict dock that had washed up next to Davis Slough.

GOAL 3: PROMOTE A HEALTHY ECONOMY, PROTECT COMMUNITY CHARACTER, MAINTAIN AN OVERALL HIGH QUALITY OF LIFE, AND DELIVER HIGH-QUALITY CUSTOMER SERVICE

Wildlife Management

Nuisance Bear Complaints: Biologist Anderson and Region 4 staff in general receive many complaints regarding wildlife that have become habituated to humans and intrude into our own backyards a bit more than we would like. This is generally due to inappropriate access to attractants, direct or indirect feeding, and lack of exclusionary management to keep wildlife out of our gardens, compost, trash and other areas. In these cases individual animals can potentially lose a bit of their “wild”....however they are still wildlife and unpredictable.

Anderson fielded a call regarding a bear in Bellevue that is exhibiting this behavior. Many folks in the neighborhood are doing their part – but it takes everyone accepting they live in bear country, as well as adjacent to more wild land areas to our east and up in the mountains in general with a host of various animals that may come around occasionally, to avoid habituation of animals. Anderson provided information to the concerned group via our Living with Wildlife website and passed the location and activity information along to WDFW Wildlife Enforcement for monitoring knowledge of the situation. Please follow guidance at our Living with Wildlife website regarding the occasional wild animal that may be a little “too close for comfort”:

<http://wdfw.wa.gov/living/nuisance/>

Bear in Bellevue that won't leave the area currently. Note bird feeder. Please take feeders down in bear country. Birds are here due to having adequate natural habitat and food. Feeders are unnecessary and in these areas can create problems with other wildlife; such as this bear.



Spring Bear Hunt: Technician Otto performed access gate surveys to insure that private gates were secure and that people could safely enter and exit these lands for the Spring Bear Hunt.

Skagit Wildlife Conflicts: Biologist Danilson met with small commercial produce growers in Skagit County who have experienced crop damage in the past. They are interested in programs or other options that would help with exclusion fencing for their operation. Danilson provided technical assistance and promised to put them in touch with tribal staff that may have resources for fencing out the elk from their property.

Danilson conducted a site review for a bear depredation permit on private industrial timberlands in Snohomish County. Danilson met with the forester, who was in the area, and drove and walked the site. Fresh tree peel damage was evident and substantial in several portions of the stand and historic damage from the past two to three years was also evident.



Fresh bear peel.



Bear peeled tree.



Bear peeled tree and bark strips below.

Nutria Surveillance: Biologist DeBruyn responded to calls from local dike districts about recent sightings of Nutria. DeBruyn surveyed two areas and found no sign that Nutria were in those areas.

Wildlife Areas

Skagit Headquarters: Regional Wildlife program staff and Waterfowl Program Manager Don Kraege met to discuss the waterfowl forage objectives for the Skagit Wildlife Area and the greater Skagit Delta.

Hunter Education

New Instructors: Coordinator Steven Dazey assisted a new team teaching at the Nile Shrine center in Mountlake Terrace to put on an On-line Field Skills Evaluation for the first time. 39 students were certified and the teaching team gained enough confidence to schedule 4 more Field Skill Evaluations in August.



Volunteer Work: Volunteer Coordinator Steven Dazey assisted with the recruitment of volunteers for several projects. Pier 86 has been the target of vandalism and tagging. Volunteer Coordinator Dazey assisted Lands Access Derek Hacker recruiting volunteers to clean and paint the shelters at Pier 86 public fishing pier. Volunteer Coordinator Dazey assisted Biologist Paul DeBruyn to recruit volunteers for a wildlife conflict mitigation project in Whatcom County. Biologist DeBruyn is assisting in conflict issues and needed volunteers to help erect fencing at a local farm.

Master Hunters in Region 4 needing service hours to meet the requirements of the Master Hunter Permit Program were advised by Volunteer Coordinator Dazey of an opportunity to combine a family outing with service to the department. Biologist Erin Duvuvuei needed assistance with capture of Pygmy Rabbits from the breeding enclosures for release at several release sites in Douglas County. Coordinator Dazey facilitated the dissemination of information and recruitment of several volunteers for this project.

Volunteer Coordinator Dazey continued to assist the Upper Snoqualmie Valley Elk Management Group (USVEMG) in recruiting volunteers from the Master Hunter applicants this year and also Master Hunters recertifying who needed service hours. The USVEMG are working on repairing the elk fencing along I-90 and need volunteers for scheduled work parties throughout this summer.

GOAL 4: SUPPORTING OUR WORKFORCE, IMPROVING BUSINESS PROCESSES, AND INVESTING IN TECHNOLOGY

Wildlife Management

Radio support: Biologist Cyra continued with radio support for new and existing staff.

Novatus Contracts Management System: Biologist Caldwell began constructing contracts via the Novatus Contracts Management System.

Private Lands Access Program Management: Biologist Caldwell coordinated agendas with technician staff pertinent to program goals and objectives for the Private Lands Access Program. Vehicle mileage and spending reports were also submitted this week by all PLAP staff.

District 14 Wildlife Conflict Specialist Recruitment: Biologist Danilson, along with Manager Link and Biologist Smith conducted the first round of interviews for the District 14 Wildlife Conflict Specialist position.

Performance Development Plans: Biologist Anderson provided annual Performance Development Plan evaluations and expectations for Biologist Smith. Anderson also discussed his own PDP with Regional Wildlife Program Manager Link.

More Volunteer efforts: Snoqualmie Wildlife Area Manager Brian Boehm continues to coordinate with WDFW Master Hunters to provide volunteer opportunities for them. With support from Steve Dazey, the WDFW Hunter Education/Volunteer Coordinator, two Master Hunters and one additional volunteer continue to remove fallen trees, conduct maintenance on the pheasant pens, and tend to nursery needs over the past week. Plans are being made to improve trail bridges at Cherry Valley and the Stillwater Wildlife Units.

REGION 5

GOAL 1: CONSERVE AND PROTECT NATIVE FISH AND WILDLIFE

Wildlife Management

Black-tailed Deer Research Project: Does and fawns associated with the Black-tail Research Project continue to be monitored through a combination of remote (satellite) and traditional (VHF) equipment. The peak birthing period of late May/early June has resulted in the capture of numerous fawns. Please see the below-listed details for the Washougal (GMU 568) Study cluster and Coweeman (GMU 550) Study cluster.

Washougal Study Cluster: All four does in the Washougal cluster have given birth. Seven fawns (out of 8 biologically possible) have been captured from the four Washougal does. Fawns are being monitored for survival three times a week through July.

Coweeman Study Cluster: Four does (out of 7) in the Coweeman cluster have given birth. Six fawns (out of 8 biologically possible) have been captured from the four Coweeman does. Monitoring of the 3 other pregnant does continues in Coweeman study cluster and fawns are being monitored for survival three times a week through July.



Black-tail Research Project

Black Bear Management/Conflict: District Wildlife Biologist Anderson and Conflict Specialist McDonald developed a black bear educational pamphlet that was distributed by mail to all residents of the Trout Lake community. Over the past few years there has been an increase in black bear/human conflict in the spring and early summer in Trout Lake Valley as bears come out of hibernation from the surrounding forest. Most bear/human conflicts have come about from the typical human caused attractants like pet food, trash cans, bird feeders, compost, and even intentional feeding for photography. The educational pamphlet has been well received by the community and will hopefully assist in reducing bear/human conflicts. We would like to thank the Trout Lake School Graphics Class for assisting with pamphlet layout and printing.

Fawn Season: WDFW was contacted by two members of the public who had picked-up what appeared to be abandoned fawns. WDFW would like to remind people that if a fawn is found alone, it is not necessarily a cause for action. Deer does will leave their fawns for several hours and are typically nearby but may remain unseen. Please call WDFW before picking up any wildlife with the intent to take it to a rehabilitation center. Once a fawn has been handled by humans, it may be rejected by its mother if returned to the site where it was found. Wildlife rehabilitation centers have limited space and may have to turn away animals if they are at capacity. In these instances, the only option may be euthanization.



Rehabilitation fawn

Ferruginous Hawk Occupancy Survey: Biologist Stephens conducted surveys at two historic Ferruginous Hawk nest territories in East Klickitat County. One of the territories was confirmed to be occupied by Ferruginous Hawks with one nestling. A nest at the second site contained a raptor incubating, but the bird was barely visible through the juniper branches and follow-up will be required to positively identify the species of raptor using the nest.

Wildlife Areas

Klickitat Wildlife Area Bluebird Nest Box Survey: Wildlife Area Manager Van Leuven and Technician Davis checked bluebird boxes for occupancy and found the highest rate of use by bluebirds this year, according to Klickitat Wildlife Area records. Of 19 useable nest boxes, 15 were occupied by Western bluebirds. One box was occupied by tree swallows and 3 were unoccupied.

Klickitat Wildlife Area Range Survey Transects: It has been five years since the last data collection effort on the range survey transects that were established in 1952, and that is a long enough interval to detect change. Wildlife Area Manager Van Leuven and Technician Davis began evaluating one of the transects this week and will continue with this effort into next week. Most of the vegetation was familiar, however, staff did identify several “new” plants and gained a good knowledge of the plant community in this area.

GOAL 3: USE SOUND BUSINESS PRACTICES, DELIVER HIGH-QUALITY CUSTOMER SERVICE.

Wildlife Management

New District Biologist: We are very pleased to announce that Eric Holman is the new District 10 (Lewis, Cowlitz, and Wahkiakum Counties) Wildlife Biologist in Region 5. Eric brings a wealth and breadth of knowledge and experience to this position having worked on a wide array of wildlife and habitat projects throughout his career. Eric has 14 years of service to WDFW (12 years with the Wildlife Program and 2 years with the Habitat Program) as well as additional experience working with DNR and USFWS. Eric has a B.S. in Sociology and a M.S. in Natural Resource Management from Central Washington University. His team approach, knowledge, wealth of experience, respected working relationship with the public, and willingness to help others and enhance their work are invaluable and we are very fortunate to have him as part of the Region 5 District 10 team.

Wildlife Conflict

Bear Damage: Both Conflict Specialists Conklin and McDonald verified many bear damage for permits in Cowlitz, East Lewis, and Clark Counties. Several of the permits required an extensive amount of time and hiking to locate. Mold was already growing on damaged sapwood and elk also damaged trees while rubbing antlers last year.



Elk Damage



Bear Damage

Deer Damage: Conflict Specialists McDonald and Conklin, Biologist Anderson, Officer Bolton, and a Klickitat County landowner attempted to herd a deer with two fawns out of a fenced vineyard on two different days. The deer likely jumped over a 6-foot-tall gate (while pregnant) or found a hole under the 8-foot-tall fencing. The landowner has repaired his fences and extended the gates. The deer damaged over 50% of his grape vines and a garden. Conklin and McDonald sprayed Plantskydd on the grape vines, and another attempt will be made to herd the deer out next week.

Conflict Specialist Conklin contacted a Hazelnut grower who has experienced deer damage in the past. This most recent call was to report a doe that had her fawns inside a fenced enclosure. Luckily the property owner eventually was able to herd the deer out and patch the fencing where the deer entered.

Wildlife Deterrent: Conflict Specialists McDonald and Conklin assisted a Trout Lake dairy with removing a turboflady fence from their grass hay field. The turboflady was installed two months ago and successfully kept most of the elk from browsing down the crop. The grass inside the fence was 6-12 inches taller than outside the fence. The dairy owners are very happy with the results.



REGION 6

Western Snowy Plovers: Biologists Sundstrom, Michaelis, Hahn, and Doorly continued to monitor snowy plovers at Midway Beach, Leadbetter, and Graveyard Spit. A summary of monitoring efforts at each location is provided below.

Leadbetter

Biologists Doorly and Hahn spent the majority of their time this week monitoring snowy plover nests at Leadbetter and assisting with the completion of Adult Snowy Plover surveys. They discovered 5 new nests, but were able to determine that several of the nests they had discovered previously were now inactive. Likely causes for inactivity include abandonment, hatch or depredation. Nests that have gone inactive will be monitored and observed more in depth in the future to try to find eggs or shells and determine a more definite cause for inactivity. To date, biologists have discovered 16 snowy plover nests at Leadbetter and 10 are still active. See Table 1 for a complete summary of monitoring results at Leadbetter.

Table 1. Summary of total SNPL nests and broods at Leadbetter.

Leadbetter											
# Nests Found	# Nests Currently Active	# Nests Hatched	# Broods Found	# Chicks hatched	# Chicks currently Alive	# Fledglings	# Nests Failed				
							Pred	Sand Burial	Abandoned	Human Caused	Unknown Cause
16	10	5	4	14?	8+	N/A				1	



Photos of an adult male snowy plover brooding a chick (left) and an adult female plover foraging. Photo courtesy: Stephanie Doorly.



Midway Beach

Biologist Sundstrom spent 1 day monitoring snowy plovers and searching for nests at Midway Beach and she discovered 2 new nests. Two new nests were also discovered while biologists were conducting adult snowy plover surveys. This brings the total number of nests discovered at Midway Beach to 5 and 4 are still active.

Graveyard Spit

Biologist Sundstrom and Shoalwater Bay Tribal Biologist Spencer conducted the 2nd Adult Snowy Plover survey at Graveyard Spit on May 30th. They observed 6 adult snowy plovers (3 male, 3 female) and discovered two new nests. To date, biologists have discovered 5 nests at Graveyard Spit and 4 are currently active. The single nest that failed did so because it was destroyed by a high tidal surge.

Streaked Horned Larks: Biologists Hahn and Doorly assisted USFWS Biologist Ritchie with the first Streaked Horned Lark Survey of the season at Leadbetter. Biologists conducted the survey in the Willapa National Wildlife Refuges Habitat Restoration Areas. Biologists Hahn and Doorly also continued to monitor the Streaked Horned Lark nest they discovered last week. It is still active and now contains 3 eggs.

Biologist Tirhi and staff conducted the third of three Streaked Horned Lark abundance surveys at Olympia Airport. Season totals were as follows: 44 total (33 males)=14May; 31 total (23 males)=22 May; 45 total (23 males)=28May.

District 15 staff conducted the first of three horned lark surveys at Sanderson Field at Shelton. Numbers were similar to last year.

Western Pond Turtle: Biologist Tirhi and staff continue to monitor pond turtles at the Pierce County recovery site. Thirty-eight female turtles are being monitored for nesting at the site with 10 having completed first clutches and two transmitters failed. Mowing grasses one week prior



Pierce County Western Pond Turtle Recovery Site showing nesting hill; yellow flags mark caged nests.

Recovery Site. Tirhi and staff were primarily responsible. One turtle was taken into captivity on the first capture day due to a deep lesion that needed significant debriding.

District 15 biologists held their annual western pond turtle capture this week. Biologists Tirhi and Schmidt provided valuable assistance in recording morphometrics (weights and measurements), assessing for shell disease, and debriding diseased areas. A number of volunteers assisted with other aspects of the capture. Biologists Ament, Small, and WDNR Biologist Mainwaring performed all the snorkeling activities. A total of 31 turtles were captured; 12 males and 19 females. Shell disease was not detected on any of the male turtles, but 9 females were afflicted. Six females had max severity scores of 3, 1 had a max severity score of 4, and 2 had max severity scores of 5. The two females with the high scores of 5 will be recaptured in July after the nesting season for additional treatment. All other turtles were released on



to nest season initiation appears to have benefitted turtles that are primarily using the mowed nesting hill.

District 11 staff continues to monitor pond turtles at the Pierce County recovery site. Thirty-eight female turtles are being monitored for nesting at the site with 17 having completed first clutches and one transmitter failed. With high temperatures, many of those nests are being laid well into the evening with staff often

monitoring turtles till midnight.

Tirhi and staff assisted District 15 with processing turtles during the 2014 captures at the Mason County

site. Although still present, the shell disease was not as severe as expected.

Photos by B. Murphie, N. Baker and A. Mainwaring.



Private Lands /Conflict

Sports People Cleanup: Eyes in the Woods (EITW) held their annual clean up on Saturday 7 June 2014. All participants met at the Montesano office. At the office all volunteers signed in and the operation plan was discussed and a safety talk was conducted prior to heading afield. After this all the volunteers drove to the John's River wildlife area where a dumpster donated by Lemay enterprises awaited them. They were then divided into two teams, Team Elk River and Team North River. Biologist Harris then took the convoy of volunteers to the southern portion of the GMU. He unlocked the gate and Sent Team Elk River on their way



Elk River Team

across the GMU. They started on the Green Diamond 9000 line with the goal of coming out the Campbell Global Elk River "A" line. As they cleaned their way through they crossed Grays Harbor County timberlands and Washington State DNR lands.

He then took Team North River to the Green Diamond 9200 line. Their goal was to work their way across to the Campbell Global John's River "A" line. On their way north they cleaned Forterra lands and Grays Harbor County timberlands.